

ABSTRACT OF THE DISCLOSURE

The present invention is a system for terminating cardiac arrhythmia using existing defibrillators found in the field in conjunction with a Safe Junction Box. The system designed to allow said defibrillator to connect to specially designed catheter equipped with specially designed electrodes and external electrodes (none blood contact) for coupling energy to heart that is greatly less than that used with external defibrillation alone. The system having the ability to create internal cardioversion vectors and also "Hybrid" cardioversion vectors by allowing the external and internal electrodes to act together in the cardioversion process that is used to terminate arrhythmia in temporary and quasi-permanent implant applications. The quasi-permanent being greater than 30 day but less than 12 month applications where an implanted defibrillator may not be the ideal solution for patient care.